

M 7.5, 45km NE of Kokopo, Papua New Guinea

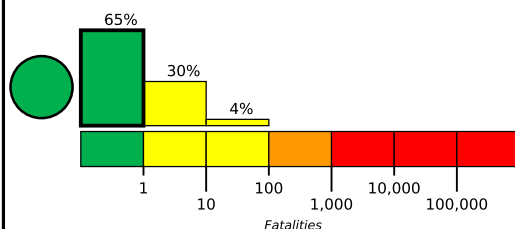
Origin Time: 2019-05-14 12:58:26 UTC (Tue 22:58:26 local)

Location: 4.0810° S 152.5694° E Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

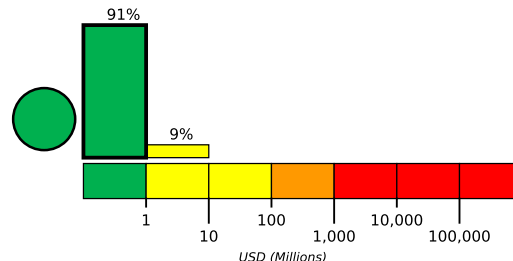
Created: 1 day, 0 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

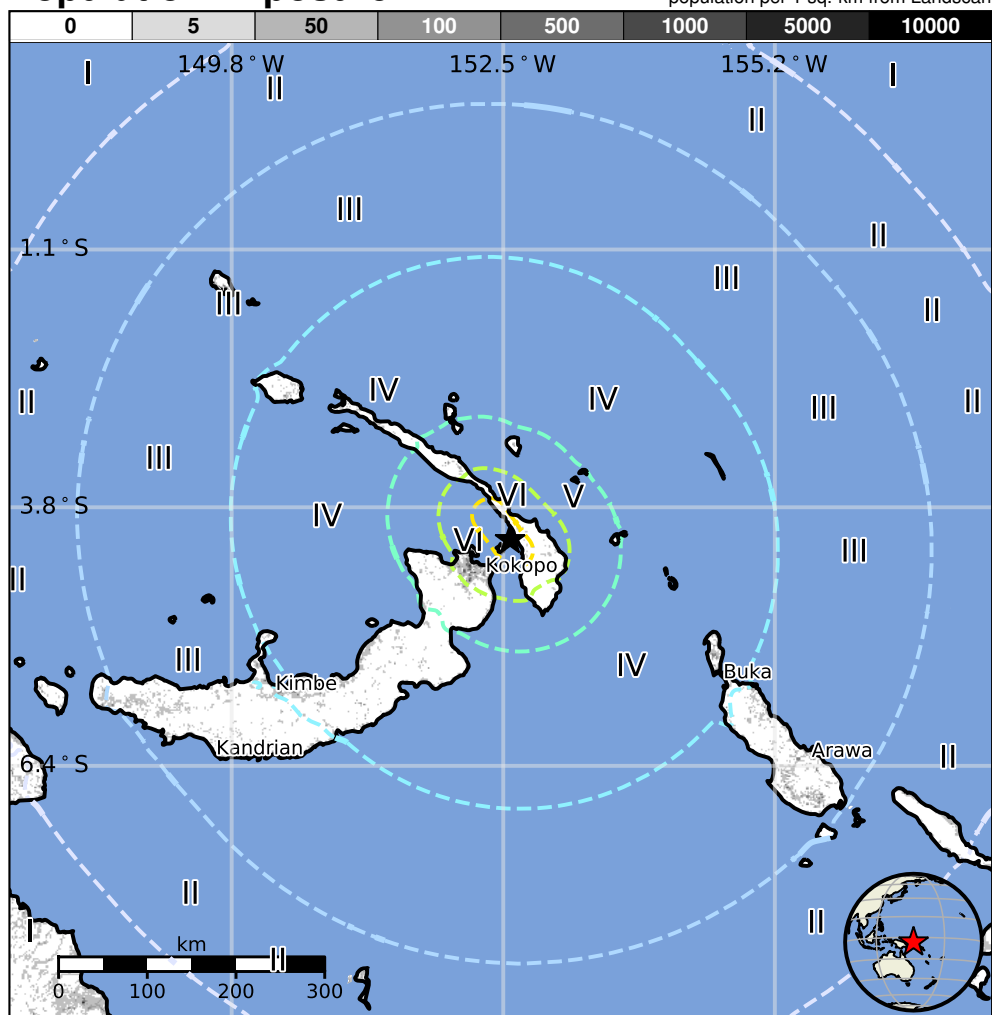


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		162k*	408k	322k	52k	234k	24k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unreinforced brick masonry and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1996-04-29	391	7.2	VII(57k)	1
1985-05-10	237	7.2	VII(28k)	1
1983-12-21	169	6.2	VII(5k)	10

Recent earthquakes in this area have caused secondary hazards such as tsunamis and landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Kokopo	26k
VI	Rabaul	8k
IV	Kavieng	14k
IV	Buka	<1k
III	Kimbe	19k
III	Arawa	40k
III	Kieta	4k
III	Panguna	3k
I	Gizo	6k
I	Popondetta	28k
I	Kokoda	6k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70003kyy#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70003kyy